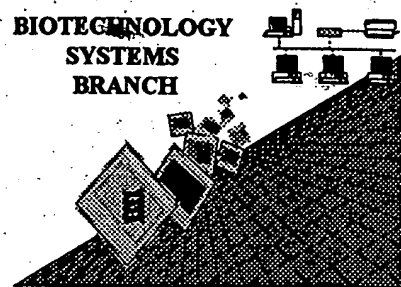


h/a

RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/416,579
Art Unit / Team No. : 1643
Date Processed by STIC: 3/13/2000

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MAR 27 2000
TC 1600 MAIL ROOM

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/416,579

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 _____ Wrapped Nucleics
The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 _____ Wrapped Aminos
The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 _____ Incorrect Line Length
The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 _____ Misaligned Amino Acid Numbering
The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 _____ Non-ASCII
This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 _____ Variable Length
Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 _____ PatentIn ver. 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence.
- 8 _____ Skipped Sequences (OLD RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 _____ Skipped Sequences (NEW RULES)
Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 10 _____ Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 _____ Use of <213>Organism (NEW RULES)
Sequence(s) _____ are missing this mandatory field or its response.
- 12 _____ Use of <220>Feature (NEW RULES)
Sequence(s) _____ are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 _____ PatentIn ver. 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.
AKS-Biotechnology Systems Branch- 5/15/99

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PAGE: 1

RAW SEQUENCE LISTING PATENT APPLICATION US/09/416,579

DATE: 03/13/2000
TIME: 12:47:24

Input Set: I416579.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

Does Not Comply
Corrected Diskette Needed

pp 1-3

1 <110> APPLICANT: Sondergaard, Leif
2 Piskur, Jure
3 Munch-Petersen, Brigitte
4 Ihlenfeldt, Hans-Georg
5 <120> TITLE OF INVENTION: Deoxynucleoside kinase from insect cells for the
6 synthesis of nucleoside monophosphates
7 <130> FILE REFERENCE: BMID 9967 4862/OA/US-Kil
8 <140> CURRENT APPLICATION NUMBER: US/09/416,579
9 <141> CURRENT FILING DATE: 1999-10-12
10 <150> EARLIER APPLICATION NUMBER: DE 19846838.5
11 <151> EARLIER FILING DATE: 1998-10-12
12 <150> EARLIER APPLICATION NUMBER: DE 19914644.6
13 <151> EARLIER FILING DATE: 1999-03-31
14 <160> NUMBER OF SEQ ID NOS: 14
15 <170> SOFTWARE: PatentIn Ver. 2.1
16 <210> SEQ ID NO 1
17 <211> LENGTH: 753
18 <212> TYPE: DNA
19 <213> ORGANISM: Drosophila melanogaster
20 <400> SEQUENCE: 1
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22 ttcaccgtcc tcatcgaggg caacatcggc agcgggaaga ccacgtattt gaaccacttc 120
23 gagaagtaca agaacgacat ttgctgctg accgagcccg tcgagaagtg gcgcaacgtc 180
24 aacggggtaa atctgctgga gctgatgtac aaagatccca agaagtgggc catgcccttt 240
25 cagagttatg tcacgtgac catgctgcag tcgcacaccg ccccaaccaa caagaagcta 300
26 aaaataargg agcgtccat ttttagcgct cgctattgct tcgtggagaa catgcgacga 360
27 aacggctcgc tggagcaggg catgtacaat acgctggagg agtggtagaa gttcatcgaa 420
28 gagtccattc acctgcaggc ggacctcatc atatatctgc gcacctcgcc ggaggtggcg 480
29 tacgaacgca tccggcagcg ggctcgttct gaggagagct gcgtgccgct taagtacctt 540
30 caggagctgc atgagttgca ccaggactgg ttgatacacc agagacgacc gcagtcgtgc 600
31 aaggtcctag tcctcgatgc cgatctgaac ctggaaaaca ttggcaccga gtaccagcgc 660
32 tcggagagca gcatattcga cgccatctca agtaaccaac agccctcgcc ggctcgtgtg 720
33 tcgcccagca agcgccagag ggtcgccaga taa 753
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35 <211> LENGTH: 24
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of Artificial Sequence
40 <400> SEQUENCE: 2
41 ggggaagtggc aggagtagct cccg
42 <210> SEQ ID NO 3
43 <211> LENGTH: 27
44 <212> TYPE: DNA

invalid report - see circled portion of
item 12 on
Error
summary
sheet -
24
give source
of genetic
material

Artificial

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/416,579DATE: 03/13/2000
TIME: 12:47:24

Input Set: I416579.RAW

45 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
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51 <211> LENGTH: 33
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
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59 <211> LENGTH: 27
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:
63 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
64 <400> SEQUENCE: 5
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67 <211> LENGTH: 30
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
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78 <220> FEATURE:
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81 caccgcatgc ttgcgtaggc cgtcgcccga gcaagactcc tc
82 <210> SEQ ID NO 8
83 <211> LENGTH: 27
84 <212> TYPE: DNA
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86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
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90 <210> SEQ ID NO 9
91 <211> LENGTH: 21
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/416,579DATE: 03/13/2000
TIME: 12:47:24

Input Set: I416579.RAW

95 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
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97 tcccaatctc acgtgcagat c
98 <210> SEQ ID NO 10
99 <211> LENGTH: 21 21
100 <212> TYPE: DNA
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102 <220> FEATURE:
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104 <400> SEQUENCE: 10
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108 <212> TYPE: DNA
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112 <400> SEQUENCE: 11
113 ggcgaattc atggcggagg cagcatcctg tgc
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115 <211> LENGTH: 31 33
116 <212> TYPE: DNA
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119 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
120 <400> SEQUENCE: 12
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122 <210> SEQ ID NO 13
123 <211> LENGTH: 45 31
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial Sequence
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134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial
136 <400> SEQUENCE: 14
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30

PAGE: 4

VERIFICATION SUMMARY
PATENT APPLICATION US/09/416,579

DATE: 03/13/2000
TIME: 12:47:24

Input Set: I416579.RAW

Line ? Error/Warning

Original Text